| Index of Claims                       | Application/Control No.  | Applicant(s)/Patent under Reexamination PARK, CHAN YOUNG |
|---------------------------------------|--------------------------|--|
|                                       | Examiner Audrey Y. Chang | Art Unit 2872  |
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|          | im       | Data          |          |         |          |          |          |              |                 | Claim Date |            |         |          |  |          |          |   |                 |        | ٦        | CI       | aim      | Date     |          |              |              |            |                |          |          |                 |          |          |
|----------|----------|---------------|----------|---------|----------|----------|----------|--------------|-----------------|------------|------------|---------|----------|--|----------|----------|---|-----------------|--------|----------|----------|----------|----------|----------|--------------|--------------|------------|----------------|----------|----------|-----------------|----------|----------|
| Cla      |          | Date          |          |         |          |          |          | -  `         |                 | ··•        | Date       |         |          |  |          |          |   |                 |        | - 51     |          |          | Т        | _        | Ť            | 7            | _          | $\neg$         |          | $\dashv$ |                 |          |          |
| Final    | Original | 3<br>22<br>05 |          |         |          |          |          |              |                 |            | Figure     |         | Original |  |          |          |   |                 |        |          |          |          | Final    | Original |              |              |            |                |          |          |                 |          |          |
|          | 1        | T             | ı        |         | T        | Г        |          |              |                 | ヿ          |            | 十       | 51       |  | T        | $\neg$   | $\neg$  |                 |        |          |          | 1        |          | 101      |              |              |            | П              |          |          | T               | 丁        | $\neg$   |
|          | 2        | 1             | H        | H       |          | _        | Т        |              | $\Box$          | $\neg$     |            |         | 52       |  | _        | 寸        | 寸   |                 | $\neg$ | ┪        |          | 7        |          | 102      |              |              |            | $\neg$         |          | $\neg$   | $\neg$          | $\neg$   | ╗        |
|          | 3        | 一             | T        | Ι-      |          | Г        | 一        |              | П               | $\neg$     |            |         | 53       | 寸  | 7        | 7        | 7   | $\neg \uparrow$ |        | 寸        | $\neg$   | 7        |          | 103      |              |              |            | П              | $\neg$   | $\neg$   | T               | 一        |          |
|          | 4        | T             |          | _       |          |          | m        |              |                 |            |            |         | 54       | 寸  | 寸        | 寸        |   |                 |        | T        |          | 1        |          | 104      | T            |              |            | П              | $\neg$   | $\neg$   | T               |          |          |
|          | 5        | T             | 一        |         | T        | Т        | 一        | П            |                 | ╗          |            |         | 55       | ╛  | 7        | T        |   |                 |        | $\neg$   |          | 7        |          | 105      | $\neg$       | 一            | $\neg$     | П              | 一        |          | $\neg$          |          |          |
|          | 6        | T             | 1        |         | ✝        | T        | T        |              | П               | ┪          | _          |         | 56       |  | ヿ        | 寸        |   |                 |        | T        | $\top$   | 7        |          | 106      |              | $\neg$       |            | П              | $\neg$   | $\neg$   | $\neg$          |          |          |
|          | 7        |               | T        | Т       | 1        | İ        | T        |              | П               | $\neg$     |            |         | 57       | ᅥ  | $\neg$   | $\neg$   |   |                 |        | T        | 1        | 7        |          | 107      |              | $\neg$       |            | П              |          |          | $\neg$          |          |          |
|          | 8        |               | $\vdash$ |         | Т        |          | T        | Г            | П               |            |            |         | 58       | $\neg$   | ヿ        |          | 寸   | $\neg$          |        |          |          | 7        |          | 108      |              | $\neg$       |            | $\Box$         |          |          |                 |          |          |
|          | 9        | T             | Т        | $I^-$   | T        | T        | T        | Г            | П               | $\neg$     |            |         | 59       |  | 一        | $\dashv$ | 一   |                 | 丁      |          | $\neg$   | 7        |          | 109      |              |              |            |                |          |          |                 |          |          |
|          | 10       | Т             | T        |         | T        | Τ        |          |              |                 |            |            |         | 60       |  | $\neg$   | 寸        | $\neg$  |                 | $\neg$ | T        | $\neg$   | 7        |          | 110      |              | $\Box$       |            |                |          |          |                 |          |          |
|          | 11       | Τ             | Т        |         | Т        | Г        |          | Γ            | П               |            |            | T       | 61       | $\neg$   |          |          | $\Box$  | 丁               | $\Box$ |          |          | ]        |          | 111      |              |              |            |                |          |          |                 |          |          |
|          | 12       | T             |          |         | Г        |          |          | Г            | П               |            |            | T       | 62       | 一  |          |          | $\neg$  |                 |        | П        |          | 7        |          | 112      |              |              |            |                |          |          |                 |          |          |
|          | 13       | Τ             | П        |         |          |          | Π        | Г            | П               |            |            |         | 63       |  |          | $\Box$   | $\Box$  | $\Box$          |        |          |          |          |          | 113      |              |              |            |                |          |          |                 |          |          |
|          | 14       | T             | 1        | Γ       | 1        | Π        | Т        | İ            | П               |            |            |         | 64       |  |          | 丁        |   |                 |        |          |          | ]        |          | 114      |              |              |            |                |          |          |                 |          |          |
|          | 15       |               |          | Г       | Τ        | T        | Т        |              |                 |            |            |         | 65       | $\neg$   |          |          |   |                 |        |          |          | ]        |          | 115      |              |              |            |                |          |          | _               | _        |          |
|          | 16       | 1             | 1        | П       | Т        | П        |          |              |                 |            |            |         | 66_      |  |          |          |   |                 |        | $\Box$   | $\Box$   |          |          | 116      |              |              |            | Ш              |          |          | [               |          |          |
|          | 17       | v             |          |         | 1        |          | Π        |              |                 |            |            |         | 67       |  |          |          |   |                 |        |          |          |          |          | 117      |              |              |            | Ш              |          |          | $\perp$         |          |          |
|          | 18       | ~             | 1        |         | T        | Г        | Π        |              |                 |            |            | T       | 68       |  |          |          |   |                 |        |          |          |          |          | 118      |              |              |            |                |          |          | _               |          |          |
|          | 19       | V             | 1        |         | 1        | 1        |          |              | П               | $\neg$     |            | $\neg$  | 69       |  |          |          |   |                 | $\neg$ |          |          | ]        |          | 119      |              |              |            |                |          |          |                 |          |          |
|          | 20       | V             | 1.       | Т       | 1        | Т        | T        |              | П               |            |            |         | 70       |  |          |          |   |                 | $\Box$ |          |          |          |          | 120      |              |              |            |                |          |          |                 |          |          |
|          | 21       | V             | 1        |         |          |          |          |              | П               |            |            |         | 71       |  |          |          |   |                 |        |          |          |          |          | 121      |              |              |            |                | Ш        |          | $\dashv$        |          |          |
|          | 22       | V             | 1        |         | T        | 1        |          | $\sqcap$     |                 |            |            |         | 72       |  |          |          |   |                 |        |          |          |          |          | 122      |              |              |            |                |          | $\Box$   |                 |          | _        |
|          | 23       | 1             | 1        | Г       |          | П        |          |              |                 |            |            |         | 73       |  |          |          |   |                 |        |          |          |          |          | 123      |              |              | L          |                |          | $\Box$   |                 |          |          |
|          | 24       | V             | 1        | Π       | Т        |          | Г        |              |                 |            |            |         | 74       |  |          |          |   |                 |        |          |          | ╛        |          | 124      |              |              | _          |                | L        |          | _               |          | _        |
|          | 25       | V             | 1        | Г       | Т        |          |          |              |                 |            |            |         | 75       |  |          |          |   |                 |        |          | $\bot$   | ╛        |          | 125      |              |              | <u> </u>   | Ш              |          |          | _               | _        |          |
|          | 26       | V             | 1        | Π       |          |          |          |              |                 |            |            |         | 76       |  |          |          |   |                 |        |          |          | ╛        |          | 126      |              |              | <u> </u>   |                |          | $\Box$   | _               | _        | _        |
|          | 27       | V             | 1        |         |          |          |          |              |                 |            |            |         | 77       |  |          |          |   |                 |        |          |          | ╛        | <u> </u> | 127      |              |              | L          | L              | Ш        |          | _               | _        |          |
|          | 28       | V             | 1        |         |          |          |          |              |                 |            |            |         | 78       |  |          | $\Box$   |   |                 | $\Box$ | $\dashv$ |          | ╛        |          | 128      | $oxed{oxed}$ |              | _          | L              |          |          | _               |          |          |
|          | 29       | ~             |          |         |          |          |          |              |                 |            |            |         | 79       |  |          |          |   |                 |        | _        |          |          |          | 129      | _            | _            | _          | $oxed{oxed}$   |          | Ш        | _               | _        | _        |
|          | 30       |               |          |         |          |          | l.,      | L            |                 |            | L          |         | 80       |  |          |          |   | Ш               |        |          |          | _        |          | 130      |              |              |            | 匚              |          |          | _               | _        | _        |
|          | 31       | ~             |          |         |          |          |          |              |                 |            |            |         | 81       |  |          |          |   | Ш               |        |          | $\perp$  | _        |          | 131      |              |              | <u> </u>   | ㄴ              |          |          | _               | _        |          |
|          | 32       | V             | 1        |         |          |          |          |              |                 |            | Ĺ          |         | 82       |  |          |          |   | Ш               |        | _        | $\perp$  | _        | <u> </u> | 132      |              |              | _          | Щ.             |          | Ш        | _               | _        |          |
|          | 33       | V             | 1        | $\Box$  |          |          |          | L            | oxdot           | Ш          | L          |         | 83       | $ldsymbol{ld}}}}}}$ |          |          |   | Ш               |        |          | _        | _        | <u> </u> | 133      | ╙            | <u> </u>     | 匚          | ⊢              | $\vdash$ | Щ        | $\dashv$        |          |          |
|          | 34       | 1             | 1        |         | $\perp$  | L        | _        | _            | $\perp$         | Ш          | L          |         | 84       |  | Ш        |          | $ldsymbol{ld}}}}}}}}}$ | Ш               |        | _        | _ _      | 4        |          | 134      | <u> </u>     | _            | <u> </u>   | ₩              | Ш        | <b> </b> | _               |          |          |
|          | 35       | V             |          | L       | 1        | $\perp$  | _        | $\perp$      | _               | Ш          | <u> </u>   |         | 85       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | Ш        |          |   |                 | ļ      | _        | _        | 4        | <u></u>  | 135      | L            | _            | <u> </u>   | ⊢              | <u> </u> | $\vdash$ |                 | $\dashv$ |          |
|          | 36       | V             | 1_       |         | $\perp$  | _        | L.       |              | L               |            | L          | _       | 86       |  |          |          |   |                 | $\Box$ | $\dashv$ |          | 4        |          | 136      | _            | <u> </u>     | _          | ┞-             | <u> </u> | _        | $\dashv$        |          | _        |
|          | 37       | U             | -        | L       | <u> </u> | 1        | <u> </u> | _            | 乚               | Щ          | L          | $\perp$ | 87       | L_   |          |          | Щ   | Щ               | $\Box$ | _        | _        | _        | <u> </u> | 137      | <u> </u>     | <u> </u>     | _          | <del> </del> — | <u> </u> | $\vdash$ |                 |          |          |
|          | 38       | V             |          | L       | L        | 1_       | $\perp$  | _            |                 | Щ          |            |         | 88       | $oxed{oxed}$   |          |          | L   | Щ               | -      | _        | 4        | 4        | <u> </u> | 138      | <u> </u>     | <u> </u>     | _          | ₩              | <u> </u> | <u> </u> |                 | _        | _        |
|          | 39       | V             | ·        |         | 1        |          | <u> </u> | _            | 丄               |            | L          | _       | 89       | L  | Ш        |          | Ш   |                 |        | _        | _ _      | 4        |          | 139      | <u> </u>     | <u> </u>     | $\vdash$   | $\vdash$       | $\vdash$ |          | -               | _        |          |
|          | 40       | V             |          |         |          |          | 1        | $oxed{oxed}$ | 1               | Ш          | l L        | $\perp$ | 90       |  | Ш        |          | <u> </u>  | $\sqcup$        | Ш      | _        | _        | 4        |          | 140      | <u> </u>     | <u> </u>     | <u> </u>   | ₩              | Щ        |          |                 | _        |          |
|          | 41       | 2             | 1        | $\perp$ |          | _        | L        |              |                 | Ш          | <u> </u> _ | _       | 91       | <u> </u>   | Щ        |          | oxdot   |                 | Ш      |          |          | _        | <u> </u> | 141      | _            | <u> </u>     | <u> </u>   | ₩              | <u> </u> | <u> </u> |                 |          | _        |
|          | 42       | V             | ٦        | L       |          | <u> </u> |          | <u> </u>     | <u>L</u>        | igsqcut    | L          |         | 92       | <u></u>  | Ш        |          | _   | Ш               | Ш      | _        |          | _        | <u> </u> | 142      | <u> </u>     | <u> </u>     | 1          | ـــ            | <b> </b> | <u> </u> |                 |          | _        |
|          | 43       |               | 2_       | _       | L        | $\perp$  | $\perp$  | 上            | L               |            | l L        |         | 93       | L  |          |          | L   | _               |        | _        | _ _      | _        | ļ        | 143      | ļ            | _            | ļ          | ــــ           | <u> </u> | _        |                 |          |          |
|          | 44       | V             |          | L       |          | L        |          | L            | $oxed{igspace}$ | Ш          | _          |         | 94       | <u> </u>   | L        |          | L_  | <u> </u>        | Ш      | _        | _        | 4        | ļ        | 144      | ـــــ        | <u> </u>     | $\vdash$   | ₩              | <u> </u> | <u> </u> | $\sqcup$        | _        | _        |
| <u></u>  | 45       | 1             | _        | $\perp$ | ┸        | 1_       | 1        | 1            | <u> </u>        | Ļ          | l ∟        |         | 95       | <u> </u>   | L_       |          | <u> </u>  | _               | Ш      |          | _        | _        | <u> </u> | 145      | Ь.           | <u> </u>     |            | $\vdash$       | ├-       | <u> </u> | Н               |          | _        |
|          | 46       | ┸             | $\perp$  |         | 4_       | 1        | $\perp$  | 1_           | 1               |            |            | _       | 96       | <u> </u>   | L.       | <u> </u> | <u> </u>  | <u> </u>        | Щ      | $\dashv$ | $\perp$  | _        |          | 146      | <b>├</b>     | <del> </del> | ⊢          | ₩              | $\vdash$ | $\vdash$ | Н               |          | -        |
|          | 47       | 1             | $\perp$  | 1_      | $\perp$  | ╽.       | _        | $\perp$      | $\perp$         |            | l L        |         | 97       | <u> </u>   |          | L_       | <u> </u>  | <u> </u>        | Щ      |          | _        | $\dashv$ |          | 147      |              | ┞            | <u> </u>   | $\vdash$       | -        | <u> </u> | $\vdash \dashv$ |          |          |
| <u> </u> | 48       | _             | $\perp$  | $\perp$ | $\perp$  | $\perp$  | $\perp$  | 1_           | ↓_              | L          | l L        | _       | 98       | _  | <u> </u> | _        | L.  | ļ               |        | $\Box$   | _        | 4        | <u> </u> | 148      | 1            | ├_           | ـ          | ₩              |          | <u> </u> | Н               |          | _        |
|          | 49       |               | 1        | L       | 1        | 1        | 1_       | 丄            | _               | L          | l L        |         | 99       | <u> </u>   |          | ļ        | <u> </u>  | <u> </u>        | Ш      |          | $\dashv$ | _        | $\vdash$ | 149      | <u> </u>     | <u> </u>     | <b>!</b> — | ┼              | 1        | ⊢        | Н               |          | $\vdash$ |
|          | 50       |               |          |         |          | L        |          |              | 1_              |            | ΙL         | 1       | 100      |  |          |          |   |                 |        |          |          | ┙        |          | 150      |              | L            |            | 丄              |          |          |                 |          | L        |